

MEMORANDUM: For Office Study
FROM: Gerald W. Stoker
SUBJECT: Manderfield and Indian Creek Reservoirs

The U. S. Forest Service contacted this office June 9, 1967, concerning leakage and maintenance problems on the above mentioned structures. Arrangements were made to inspect these facilities that afternoon with the following in attendance: Bruce McCurtain, John Neilson, both of the Forest Service, and Gerald Stoker of the State Engineers Office.

1. Manderfield Dam (Lower Indian Creek) - The crest of the dam and the downstream slope are covered with heavy over-growth, large pines and aspen, which could create a problem with root growth. Several flows were observed at the top of the dam with much of the face of the dam appearing saturated. (Please note accompanying photos.) The settling pond or stilling basin at the outlet of the dam is overgrown with willows and bushes and it appeared to be leaking around the outlet pipe. The spillway was in good condition but debris was beginning to accumulate around the upstream side. X

2. Indian Creek (Upper) - The crest of this dam was also overgrown with brush and trees. The outlet gate was closed and we were able to observe several leaks above the elevation of the discharge pipe. There is no evidence that this outlet pipe is equipped with a trash rack on the upstream side. The downstream slope of this dam was also damp in spots but not to the extent of the dam at the lower site. The spillway was completely plugged with debris and could not be of any value in case of an emergency. X

It is the recommendation of this office that the two dams in question be studied closely to establish possible threats and consequences regarding the wet spots and leaks (apparent) appearing on the downstream face of the dams. It is further, our recommendation that the spillway on the upper reservoir be given immediate attention and put into proper repair. *LS*